METHOD FOR SYNCHRONIZATION OF CONCURRENTLY MODIFIED INTERDEPENDENT SEMI-DERIVED ARTIFACTS

ABSTRACT

Described is a method for synchronizing concurrently modified interdependent semi-derived artifacts. For example, one artifact can be a software model file and the other artifact can be a code file. A temporary artifact is generated and includes all the elements of a last synchronized version of the first artifact and all the elements of a latest version

5   of the second artifact transformed as the first artifact. The temporary artifact and the latest version of the first artifact are merged to create a synchronized version of the first artifact. A synchronized version of the second artifact is generated and includes all the elements of the latest version of the second artifact and all the elements of the elements of the synchronized version of the first artifact transformed as the second artifact.